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SUSOV, I.; STEFANOV, A.

Using sodium silicate solution for softening intestine sausage casing. Mias. ind. SSSR. 30 no.4:38 '59. (MIRA 12:12)

1. Moskovskiy myasokombinat. (Moscow--Sausage casings)

Histological method of determining the freshness of meat and corned beef. Mias. ind. SSSR. 30 no.4:46-48 '59.

(MIRA 12:12)

1. Moskovskiy myasokombinat.

(Meat inspection) (Histochemistry)

The second secon

(MIRA 13:9)

Using a sodium silicate solution for treating preserved intestines.

1. Moskovskiy myasokombinat.
(Moscow--Sausage casings)

Mias.ind.SSSR 31 no.3:51 '60.

STEPANOV, A.: SUSOV. I.

ALEKSEYEV, N., KRASNOBAYEV, I.; STEFANOV, A.

Sodium silicate as a disinfectant of premises for housing cattle before slaughter. Mias. ind. SSSR 31 no.4:49 '60.

(MIRA 14:7)

(Sodium silicate)

(Slaughtering and slaughterhouses-Disinfection)

KUKHARKOVA, L.L., starshiy nauchnyy sotrudnik; BOYARSHINOV, P.K., kand. veterinarnykh nauk; IL'YASHENKO, M.A., kand. veterinarnykh nauk; STEFANOV, A.V.

Development of the method for the disinfection of leather and fur raw materials from animals affected by listeriques.

Trudy VNIIMP no.13:64-69 '62. (MIRA 17:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Kukharkova, Boyarshinov. Il'yashenko).
2. Starshiy bakteriolog Moskovskogo mesnogo kombinata (for Stefanov).

CHIRYATNIKOV, V.I., starshiy nauchnyy sotrudnik; LEVINA, L.I., starshiy nauchnyy sotrudnik; BUSHKOVA, L.A., mladshiy nauchnyy sotrudnik; STEFANOV, A.V., starshiy veterinarnyy vrach-bakteriolog; SHIRYAYEVA, V.M., starshiy veterinarnyy vrach-bakteriolog; SOLOV'YEVA, O.T., veterinarnyy vrach-bakteriolog; BOLDOVA, A.K., inzh.

Aging of cured meat in large containers. Trudy VNIIMP no.12:58-70 '62. (MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Chiryatnikov, Levina, Bushkova).
2. Moskovskiy myasokombinat (for Stefanov, Shiryayeva, Solov'yeva, Boldova).

PAL'MIN, V.V.; TETERNIK, D.M.; AVSYUKEVICH, V.S.; ASLANOV, V.G.; GOL'DMAN, Ye.I.; ZEL'MANOV, I.S.; STEFANOV, A.V.; KHOLODNOVA, O.S.

Studying the possibility of applying preslaughter adrenal treatment in the meat industry. Izv.vys.ucheb.zav.; pishch.tekh. no.1:66-71 '63. (MIRA 16:3)

1. Moskovskiy tekhnologicheskiy institut myasnoy i molochnoy promyshlennosti i Moskovskiy myasokombinat.

(Adrenalin) (Slaughtering and slaughterhouses)

STEFANOV. B.

Bulgarian radiotelegraph operators during the Battle of Drava. p.5. (Radio Vol. 4, no. 3, 1955, Sofiya)

SO: Monthly List of East European Accessions, (EEAL). LC, Vol. 4, No. 11, Nov. 1955, Uncl.

"Some interpretations of the Problem of the Struggle for Existence," p. 339. (GORSKO STOPAMSTVO, V 1. 9, no. 8, Oct. 1753, Sofiya, Bulgaria.)

So: Nonthly List of East European Accessions, Vol. 3, No. 5, Nay 195h/Unclassified

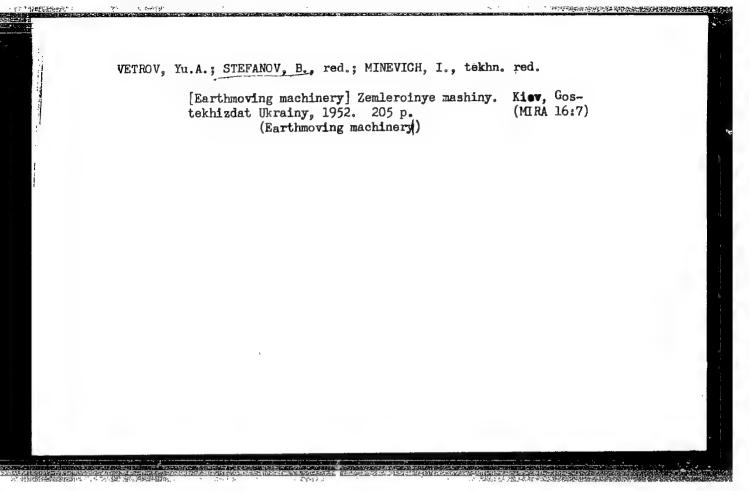
SPERMING, T., LANCIES, I.

772,350,696,37

"Attempt at terming science and practical work toward the time of the primitive man; a criticism of an article."

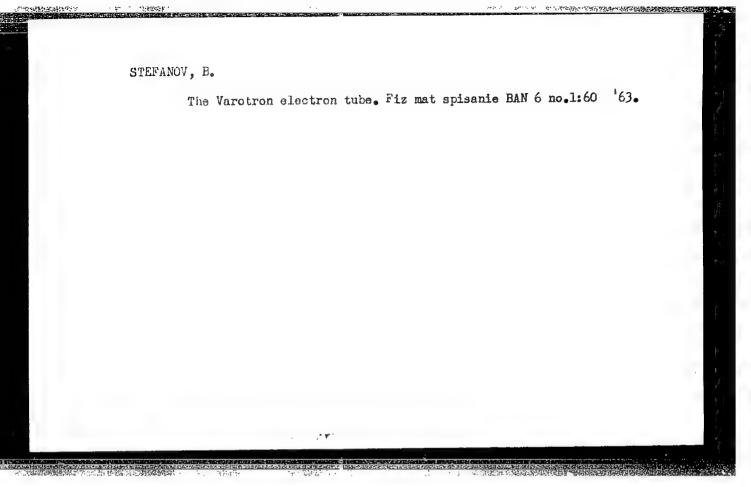
p. 21 (Borsko Stopanstvo, Vol. 1h, no. b, 1953, Sofiia, palgaria)

Montally Index East Maropean Accessions (EMAI) LC, Vol. 7, No. 9, September 1958



STEFANOV, Boris, akad.

Variability of organisms, and possibilities of controlling the process of new form development. Pt. 1. Selskostop nauka 3 no. 1:5-18 '64.



STEF ANOV, B.

"The Hard Seeds of Leguminous Plants." p.3 (<u>Izvestiia</u>, Vol.2, 1951, Sofiya).

SO: Monthly List of East European Accessions, Vol. 3 No.3, Library of Congress, March, 1954 Uncl.

STEFANOV, B. : GANCHEV, P.

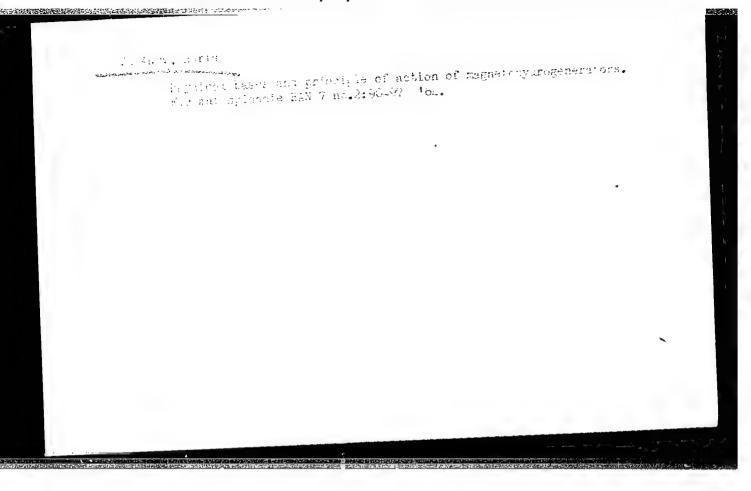
Results from one case of natural cross-pollination of Salix viminalis L. and Salix cinerea L. p. 129

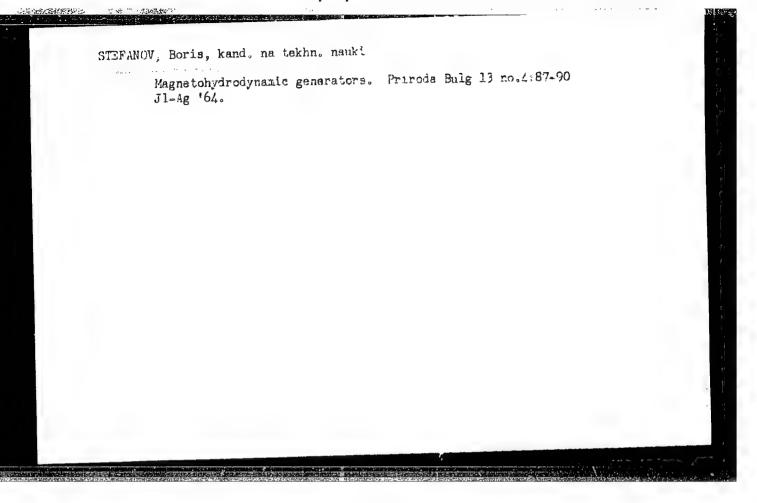
GORSKO STOPANSTVO. Vol. 12, No. 3, Mar. 1956

Sofiia, Bulgaria

So. East European Accessions List Vol. 5, No. 9 September, 1956

: BULGARIA COUNTRY i!Cultivated Plants. Gereals. CATEGORY : RZhBiol., Ne.23, 1958, Na.104593 ABS. JOUR. : Stefanov, B., Razsolkova, Ye., Tsikova, Ye. AUTHOR INST. : Results of Some Studies on Determination of the influence TITLE of Pre-Sowing Scaking of Seeds on Their Germination. ORIG. FUS. : Lav. Ln-ta za gorat. Emlg. AN, 1957, 2, 245-307 : A delay in germination has been observed with the treatment ABSTRACT of corn seeds by means of pre-planting soaking in 3,5 solution of ABr for 3 hours and those of rice for 48 hours. dith sosking in a weak solution of ABr, the delay in gormination is considerably less, the process runs its course almost identically as with the pre-planting soaking in distilled water. With the prolonged soaking of rice seeds for 7 days in 3 and 10% solution of NaCl and 3% KBr, a reterded germination has been observed. With such comparatively long process of soaking the seeds, sugar, proteins Card: 1/2





L 52646-65 EPA(s)-2/EPF(c)/EEC(k)-2/EPF(n)-2/EWG(m)/EPA(w)-2/T/EWP(t)/EPA(bb)-EWP(b)/EWA(h) Pz-6/Pab-10/Pr-4/Pt-7/Peb/Pu-4 IJP(c) RWH/JHB/JD/TT/WW/JG/AT ACCESSION NR: AP5013550 BU/0011/65/018/001/0015/0018 AUTHOR: Orlinov, V.; Stefanov, B.; Zarkova, L.; Konstantinov, E. TITLE: High-pressure cesium thermionic converter with a tungsten cathode SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 1, 1965, 15-18 TOPIC TAGS: high pressure thermionic converter thermionic converter, cesium vapor, cesium pressure, low voltage arc, arc mode cesium thermionic converter. ABSTRACT: A brief description is given of three series of experiments with a cesium thermionic converter using a tungsten wire cathode, an interelectrode spacing of 0.3 mm, and a cylindrical nickel anode. At T_c = 1950K and t_{Cs} = 260C, the maximum power v_{max} was 2.77 w/cm² at U_T = 1.10 v, and the efficiency η was 9.35%. When voltage was increased, v_{max} and η increased, respectively, from v_{max} was 9.35%. When voltage was increased, v_{max} and v_{max} In this latter case, the characteristic was typical of volume ionization, and a comparison with theoretical data revealed that the value of the emf was determined by plasma processes, the electrode properties having a negligible influence. The experiments were made with the use of an improved version of a previously described converter (Orlinov, V., L. Zarkova, and E. Konstantinov, Compt. Rend. Acad. Bulg. Card 1/2

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ure (below 0.6 mm Hg)	The low specific power and efficient to a large electrode spacing (2.5—3). The authors hope to obtain better temperature and optimizing the temper	cature of the cathode [ZL]
SSOCIATION: Institut	e of Electronics, Bulgarian Academy	SUB CODE: EC
SUBMITTED: 00	ENCL: 00	ATD PRESS: 4012
NO REF SOV: 002	OTHER: 003	

STEFANOV, B. D., Dr. Bio Sci — (diss) "The effect of the sympathetic nervous system on the functional state of injuries to the central nervous system," Moscow, 1960, 22 pp, 250 cop. (Physiology Laboratory, AS USSR) (KL, 42-60, 112)

SHPIL'RAYN, E.E.; STEFANOV, B.I.

Apropos of L.A. Browkin's article "Effect of an increase in the measurable mean temperature and the heat content of certain insulated bodies in the process of temperature balancing.

Inzh.-fiz. zhur. 5 no.6:126-131 Je '62. (MIRA 15:12)

(Temperature--Measurement)

(Enthalpy)

(Browkin, L.A.)

Card 1/2

IJP(c) JD/WW/JG EVT(m)/EWP(t)/ETI SOURCE CODE: UR/0294/66/004/001/0141/0142 ACC NR: AP6008835 63 AUTHOR: Stefanov, B. L; Timrot, D. L; Totskiy, Ye. Ye.; Chu Wen-hao X ORG: Scientific-Research Institute of High Temperatures (Nauchno-issledovatel'skiy institut vysokikh temperatur) TITLE: Experimental investigation of the viscosity and thermal conductivity of sodium and potassium vapors 10 SOURCE: Teplofizika vysokikh temperatur, v. 4, no. 1, 1966, 141-142 'nλ TOPIC TAGS: sodium, potassium, vapor, heat conductivity, viscosity ABSTRACT: The NII of High Temperatures (NII vysokikh temperatur) during the period of 1960 -1964 performed experimental investigations of the viscosity and heat conductivity of sodium and potassium vapors. The results of the measurements and extrapolation of viscosity were discussed in detail earlier (D. L. Timrot, B. I. Stefanov. Nauchnyy otchet NII vysokikh temperatur, 1962). An experimental investigation of heat conductivity was performed by the dilatometric method, developed by the present authors, and described elsewhere. In accordance with this method, the temperature difference between two coaxial cylindrical surfaces is measured according to the difference of the thermal expansion of the cylinders. Measurements of the degree of blackness are performed on the same apparatus in the intervals between the series of heat conductivity measurements. The error for radiation reaches 35-70% of the total heat flux in tests with sodium and 50-80% with potassium. The maximum relative error UDC 546.32+546.33:533.16+536.2.022

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Variability of organisms, and possibilities of controlling the process of new form development. Pt. 2. Selskostop nauka 3 no. 2:3-17 '64.

- CONTRACTOR STREET

STEFANOV. Boris Vladimirovich, kandidat tekhnicheskikh nauk; LYUBOVSKIY, A., redaktor; IOAKIMIS, A., tekhnicheskiy redaktor.

[Organization of production in plants manufacturing precast reinforced concrete] Organizatsiia proizvodstva na zavodakh sbornego zhelezebetena. Kiev, Goz.izd-vo lit-ry pe stroit. i arkhit. USSR, 1956. 248 p. (MLRA 10:4)

(Precast concrete)

STEFANOV, Boris Vladimirovich; DANILKINA, I., red.; OSOVSKAYA, I., red.; ZKLKNKOVA, Ye., tekhn.red.

[Booklet for master workers on making precast reinforced concrete]
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(Precast concrete)

KALISHUK, Aleksandr Luk'yanovich, kand. tekhn. nauk, dots.;

TRET'YAKOV, Lev Dmitriyevich, kand. tekhn. nauk, dots.;

STEFANOV, Boris Vladimirovich, kand. tekhn. nauk, dots.;

NOVGGRODSKIY, Mikhail Avramovich, st. prepod., k.nd.

tekhn. nauk; ANTONENKO, Grigoriy Yakoclevich, assistent;

RUSANOVA, Nina Georgiyevna, assistent; SIKORSKIY, Oleg

Nikolayevich, assistent; ALEKSANDROVSKIY, A.Ya., red.

[Manual on the manufacture of precast reinforced concrete] Spravochr' po proizvedstvu sbornogo zhelezobetona. [By] A.L.Kalishuk i dr. Kiev, Izd-vo Budivel'nyk, 1964. 345 p. (MIRA 17:7)

1. Kafedra tekhnologii sbornogo zhelezobetona Kiyevskogo inzhenerno-stroitel'nogo instituta (for all except Aleksandrovskiy). 2. Zaveduyushchiy kafedroy tekhnologii sbornogo zhelezobetona Kiyevskogo inzhenerno-stroitel'nogo instituta (for Kalishuk).

STEFANOV, Boris Vladimirovich, kund. tekhn. nauk, dots.; BERGER, K.V., red.

[Technology of concrete and reinforced concrete products] Tekhnologiia betonnykh i zhelezobetonnykh izdelii. Kiev, Budivel'nyk, 1965. 388 p. (MIRA 18:8)

 STEFANOV, Boris Vledimirovich; ANTONENKO, Grigorly Yakovlevich; MIRSAKOV, L.M., retsenzent; POLTORATSKAYA, E.A., red.

[Organization of the technological processes in precast reinforced-concrete plants] Organizatsiia tekhnologicheskikh protsessov na zavodakh sbornogo zhelezobetona. Kiev, Budivel'nyk, 1965. 80 p. (MIRA 19:1)

STEFANOY, D.

Linear receiver 1-V-1. p. 29.

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SOURCE: East European Accessions List (EEAL) Library of

Congress, Vol. 6, No. 1, January 1957

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Stefanov, Dovri Stroezh na melnitsi; uchebnik za VIII klas na teknnicheskite gimnazii po melnicharstvo (Sofiya, Narodna prosveta) 1951. 11h p. (Construction of mills; a manual for trade high schools)

SO: Monthly List of East European Accessions, L.C, Vol. 3 No. 1 Jan. 54 Uncl.

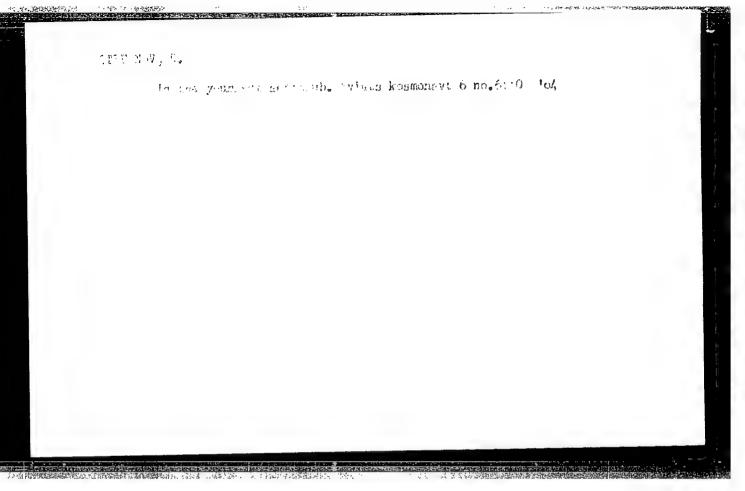
STEFANOV, D. (Kharmanli)

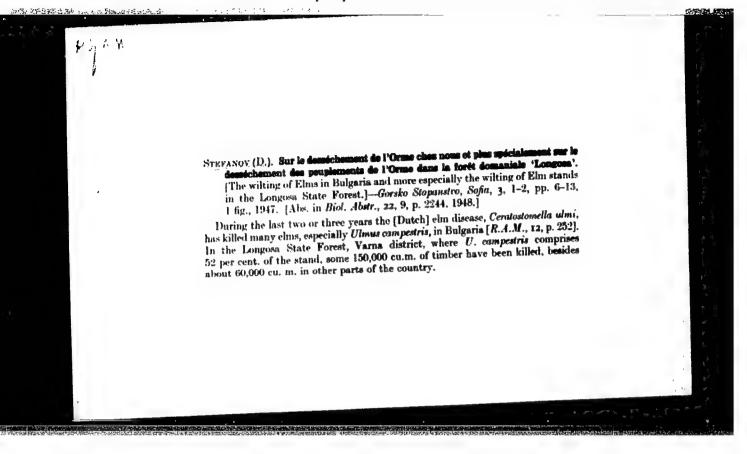
From my experiments. Mat i fiz Bulg 5 no.4:39-41 Jl-Ag '62.

SHERDAKOV, N.I., dotsent; GORYACHEVA, Ye.M., starshiy prepodavatel; NIKIFOROV, A.F., dotsent; STEFANOV, D., prof.; TAL'MAN, P.N., dotsent

Discussing general biological problems. Nauch. trudy LTA no.99:117-120 62. (MIRA 17:1)

1. Zaveduyushchiy kafedroy dialekticheskogo i istoricheskogo materializma Leningradskoy ordena Lenina lesotekhnicheskoy akademii imeni Kirova (for Sherdakov).
2. Kafedra dialekticheskogo i istoricheskogo materializma
Leningradskoy ordena Lenina lesotekhnicheskoy akademii imeni
S.M. Kirova (for Goryacheva). 3. Vsesoyuznyy zaochnyy lesotekhnicheskiy institut (for Nikiforov).





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SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 9, Oct. 1953, Uncl.

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"Forthcoming problems in the preservation of forests.", p 419, (GONSKO STOPANSTVO, Tol 3, #9, Nov: 1952, Bulgaria)

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Vol 2, #8

SO: Monthly List of Russbank Accessions / Library of Congress, ___

August

1953, Uncl.

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"Science of forestry in the Soviet Union and its influence in Bulgaria; the 150th anniversary of the S.h. Kirov Academy of Forestry in Leningrad." (p.99) PRIRODA (Bulgarska Akademiia Na Naukite) Sofiya Vol 2 No 6 Nov/Dec 1953

SO: East European Accessions List Vol 2 No 6 Aug 1954

STEFANOV, D.

"A Single Method for Preserving the Acorn from Diseases and the Oak Spreuts from Field Rats and Other Root Gnawers." p.26 (GORSKO STOPANSTVO Vol. 9, no. 1, Jan. 1953 Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 9, Oct. 1953, Uncl.

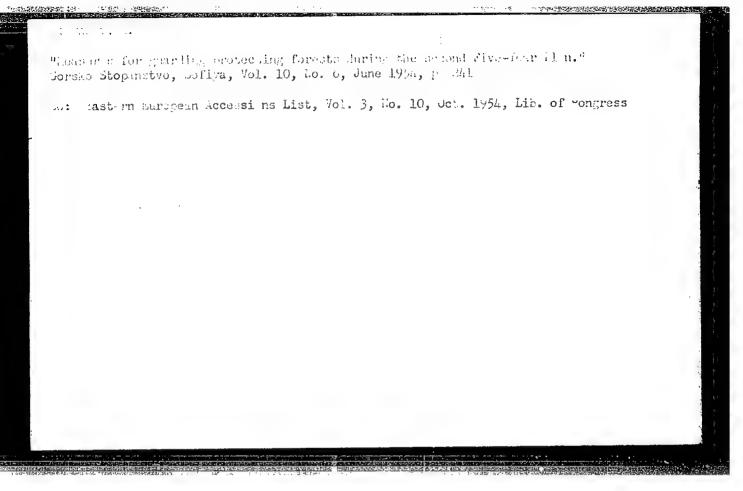
STEVANIV, D.
"Damage to our forests from snow and storms and its prevention" (p.32) CORSKO STOFAUSTVO (Upravlenic Na Gorskoto Stopanstvo Kum Ministerskiia Suvet) Sofiya Vol 10 No 1 Jam 1954

SO: East European Accessions List Vol 2 No 7 Aug 1954

STEPRION, D.

"Calerations inspects in Dalgaria during 1953 and necourses for combating them in accordance with Soviet science and process of tree advisory" (1.123) GROSKO STOPRISTIO (Uprevlends In Gordado Stopalisty Kar Mindstandhia Suvet) Soldya Vel 16 No 1 Jan 1959

So: East European According Last Vil 2 No. 1 Ang 1959



STEPATON, D.; KEREHIDCHIEV, II.

Stefanov, D.; Keremidchiev, M. Some basic conditions for reforestation with oak seedlings in the forests of Botev, Stalin, and Dulga stoka, Pomorie. p.367.

Vol. 11, no. 8, Oct. 1955 GORSKO STOPAMSTVO Sofiya, Bulgaria

SO: Monthly List of East European Accessions, (FEAL), LC, Vol. 5, No. 2 February, 1956

STEFANOY, D.

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Vol. 5, no. 2, Mar./Apr. 1956, TEKHNIKA, SOFIYA, BULGARIA.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 10, Oct. 1956.

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STEFANOV, D. BULGARIA/Forestry - General Problems.

K-1

Abs Jour : Ref Zhur - Biol., No 3, 1958, 10553

Author

: Stefanov, D.

Inst Title : The Situation in the Science of Forestry in the German

Democratic Republic and Its Tasks.

Orig Pub

: Priroda, 1956, 5, No 6, 95-99

Abstract : No abstract.

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AGRI CULTURE

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Periodical: MANCHET TRUDOVE. Vol. 5, 1957.

STOPANOV, D. Investigations for establishing the most suitable and cheap methods for fighting

against some important insects in the forests.

p. 97.

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 2 February 1959, unclass.

STEFANOV, D.; KEREMIDCHIEV, M.; VUTOV, V.

Investigating the gradations of the gypsy-moth Lymantria dispar L. and lackey moth Malacosoma neustria L. in Bulgaria and their causes. p. 135.

NAUCHNI TRUDOVE. Vissh lesotekhnicheski institut. Sofiia, Bulgaria, Vol. 6, 1958.

Monthly list of East European Accessions (EEAI) LC, Vol. 9, No. 1, January 1960.
Uncl.

BULGARIA/General and Systematic Zoology, Insects. Harmful P Insects and Acarids. Forest Pests.

Abs Jour : Ref Zhur - Biol., No 3, 1959, No 11694

Author : Stefanov D.

Inst : =

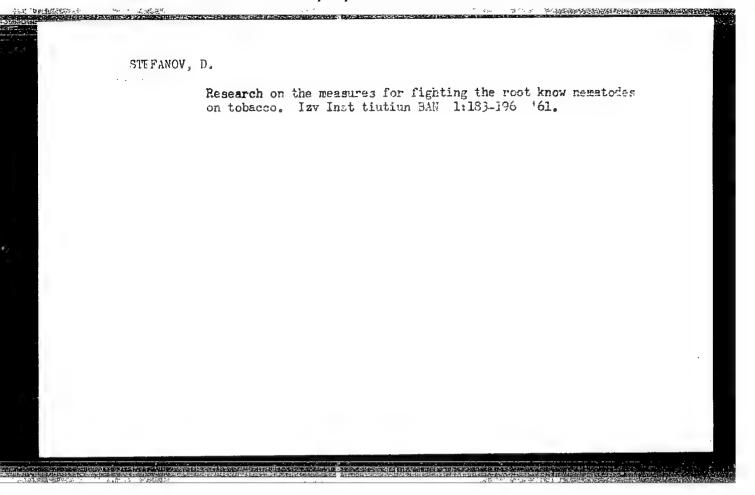
Title : Control of the Diseases and Pests of the Poplar

in Bulgaria.

Orig Pub: Gorsko stopanstvo, 1958, 14, No 2, 38-42.

Abstract : No abstract

Card : 1/1



STEFANOV, Dim.

SURNAME, Given Names

Country:

Bulgaria

Academic Degrees:

Professor

Affiliation:

not given

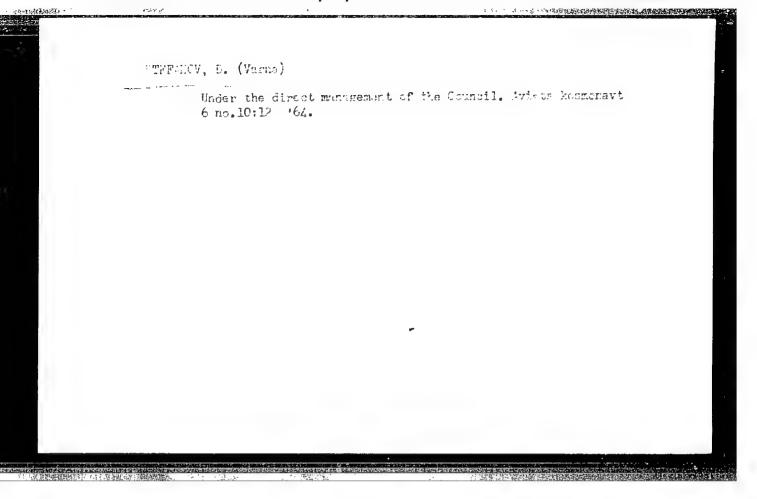
Sources

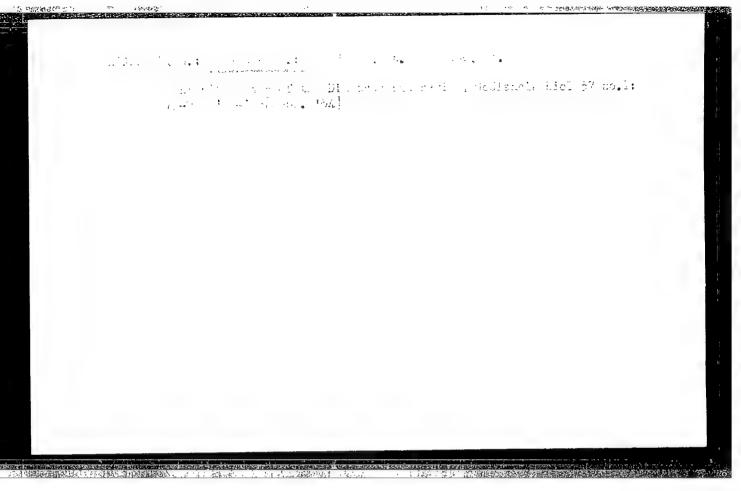
Sofia, Priroda, Vol X, No 4, July/August 1961, pp 84-87

Datas

" A Serious Fir Pest in Bulgaria. "

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EWP(e)/EWP(i) ACCESSION NR: AP5009382 z/0013/65/000/003/0087/0091 AUTHOR: Stefanov, G. (Sofia); Stefanov

Charizanova, L. (Sofia)

TITIE: Reaction in the solid phase in a mixture of kaolin and calcium carbonate

SOURCE: Sklar a keramik, no. 3, 1965, 87-91

TOPIC TAGS: ceramic, porcelain, kaolin, calcium carbonate, solid phase reaction, reaction mechanism, first endothermic effect, first exothermic effect, kaolinite,

ABSTRACT: The authors review the results of investigations which have already been made of the ternary system CaO - Al2O3 - SiO2, important for the formation of ceramic pastes with the crystalline component of anorthite, in order to explain the mechanism of anorthite formation. It has been shown that the reaction depends on the dehydration of kaolinite, but the direct product of this reaction has not been determined. Neither has it been established when and how this synthesis proceeds, nor what the connection is between the intermediate phase and anorthite. This study attempts to answer these questions and to explain the reaction between

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I. 2251-66 ACCESSION NR: AP5009382

kaolinite and calcium carbonate in the molar ratio of 1:0 to 1:2 in the temperature region of the first endothermic and first exothermic effect of kaolinite. Kaolinite from the region of Stachanovo and limestone from the region of Ogujanovo served as the experimental materials. The limestone was ground in a porcelain mill. Eight mixtures of the components were prepared for studying the reaction between kaolinite and limestone. It is concluded that gehlenite is the first stage to be formed when the experimental mixtures are heated to 600°C; anorthite appears as the first exothermic effect of kaolinite, and the described reaction mechanism is in agreement with the Brindley and Nakahir theory concerning the gradual change of kaolinite into the kaolinite - spinelmullite series. Orig. art. has: 9 tables, 10 figures, and 5 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MT, GC

NO REF SOV: 001

OTHER: 015

Card 2/2 X

23315-66 ACC NR: AT6004210

SOURCE CODE: BU/2503/65/013/001/0185/0192

AUTHOR: Stefanov, D.; Denchev, Iv.; Yanachkova, Iv.; Petrov, P.;

ORG: none

TITLE: X-Ray structural studies of thermistors obtained from the three-component systems MnO2-Ni2O3-Co2O3 and MnO2-Ni2O3-ZnO

SOU (CE: Bulgarska, akademiya na naukite, Fizicheski institut. vestiya na Pizicheskiya institut s ANEB, v. 13, no. 1, 1965, 185-192 TOPIC TAGS:

thermistor, spinel, mineral, x ray investigation ABSTRACT: Thermistors baked at a temperature of 1150C, which have been studied in detail in earlier papers are the object of detailed X-ray structural investigations. The X-ray structural data obtained have shown that after baking new chemical compounds are formed of the type of spinels. According to the chemical composition of the mixtures studied, different spinels are formed. The cubic spinel

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ACC NR: AT6004210

NiMn204 has been established for the mixture I and for the two oxide systems. The intermediary mixtures, II to V included, are represented by cubic spinels of a variable cation composition. Mixture VII is represented by the tetragonal spinels CoMn204 and ZnMn02. On the basis of data from the literature on the position of the metal cations in NiMn204 and CoMnO4 an attempt has been made to elucidate the distribution of the cations in the spinel structures of thermistors studied by the authors. Orige art. has: 3 figures ORIG REF: 002/ and 2 tables.

SUB CODE: 09, 07/SUBM DATE: none

Card 2/2

L 23316-66

ACC NR: AT6004211 SOURCE CODE: BU/2503/65/013/005

SOURCE CODE: BU/2503/65/013/001/0193/0200

3/0200 /8 &*/

AUTHOR: Yanachkova, Iv.; Danchev, Iv.; Petrov, P., Stefanov, D.; Ivanov, S.; Dzhoglev, D.; Bizheva, L.

ORG: none

TITLE: Influence of impurities on the semiconductor properties of thermistors composed of $MnO_2-Co_2O_3-Ni_2O_3$

SOURCE: Bulgarska akademiya na naukite. Fizicheski institut. Iz-vestiya na Fizicheskiya institut s ANEB, v. 13, no. 1, 1965, 193-200

TOPIC TAGS: thermistor, electric property, resistor, semiconductivity

ABSTRACT: Heat-sensitive resistors with a negative temperature coefficient are obtained from metal oxides in a ratio of $MnO_2-60\%$, tions of Li_2CO_3 , $Cu(NO_3)_2$, CsCl, $CeCl_3$, $Ce(SO_4)_2$ compounds of concentrations of the order of 10^{-6} , 10^{-3} , 10^{-4} , 10^{-3} , 10^{-2} , 10^{-1} , 10^{-1} , 10^{-2} , 10^{-1} , 10^{-1} , 10^{-2} , 10^{-1}

L 23316-66 ACC NR: AT6004211

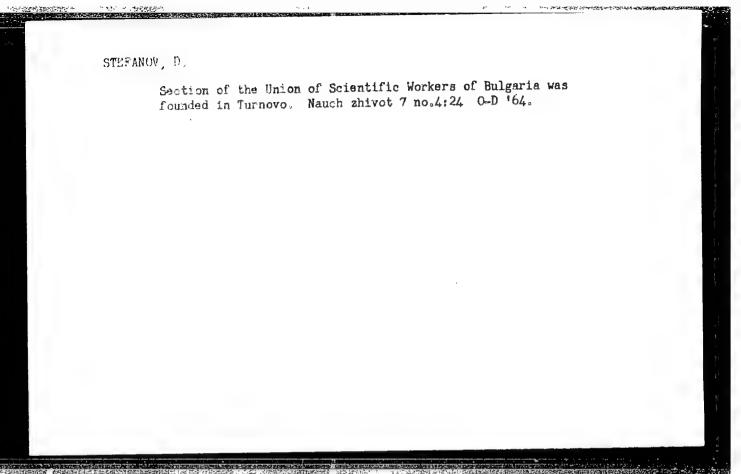
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dried at 80C and then dry-milled again. The electrical properties of the thermistors obtained by pressing, sintering at 1150C and again at 120C for 200 hours are investigated. By increasing the concentration of the activator the resistance R20 of the samples activated by Li⁺ and Cu²⁺ decrease from the order of 1 to 3.5, while the R20 of those activated with Csl⁺, Ce³⁺ and Ce⁴⁺ showed no significant changes. The thermistors have a temperature coefficient α_{20} . The X-ray investigation indicated a new phase in the form of tetragonal spinel CoMn₂O₄. No structural changes were produced by small amounts of activators. Orig. art. has: 2 figures and 4 tables. [Based on author's abstract]

SUB CODE: 09/ SUBM DATE: none ORIG REF: 002/. SOV REF: 001/OTH REF: 004/

Card 2/2-5c

L 32213-66 EWP(t)/ETT LIP(c) SOURCE CODE: BU/0011/65/018/006/0525/0528 ACC NR: AP6020810 AUTHOR: Ivanov, S.; Djoglev, D.; Stefanov, D.; Danchev, I.; Petrov, P.; Janachkova, I.; Bizheva, L. ORG: Institute of Physics, BAN TITLE: Some properties of thermistors made of three-compound oxide systems SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 6, 1965, 525-528 TOPIC TAGS: thermistor, semiconductor research, admixture, x-ray analysis ABSTRACT: Thermistors are usually made of oxide mixtures (see, e.g., N. P. Potapov, Tr. Odessk. gidro-mpteorol. i-ta, 37, 1956, No. 8; M. Ya. Kushnerev, V. P. Linde, S. Z. Roginskiy, FTT, III, 1961, No. 2, 384). The present paper describes the production of three-component Mn02-Ni203-002--Oz and MnOz-Niz-Oz-ZnO systems whose properties may be altered by small admixture activation. In addition to the Volt-Ampere and temperature characteristics of the system, the authors present also comprehensive results of X-ray structural analysis of the various semiconductors produced and the distribution of metallic admixtures within the spinel structures. This paper was presented by Academician G. Nadjakov on 23 February 1965. Orig. art. has: 2 figures and 2 tables. Orig. art. in German JPRS SUB CODE: 09.07/SUBM DATE: 23Feb65 / ORIG REF: 004/ SOV REF: 003 L Card 1/1



"In the Lonin Metallurgic Plant." p. 3,
(ZHAVEN FRANT, No. 40, Oct. 1954, Sofiya, Bulgaria)

SU: Monthly List of East European Accessions, (E.AL), LC, Vol. 4,
No. 5, May 1955, Uncl.

STEPANOV, G. ; L'HASHEV, L.

"Condition of the standardization in the production of porcelain electric insulators."

p. 36 (Ratsionalizatsiia, Vol. 7, no. 12, Dec. 1957, Sofiia, Bulgaria.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958.

SideARCV, G.

"Investigation of native pegmatite in view of replacing the feldspar in the porcelain-faience industry."

LEKA PROMISHLENCST., Sofiia, Bulgaria., Vol. 8, No. 2, 1959

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Result of prevention of seasonal exacerbation of peptic ulcer.
Suvren. med., Sofia 7 no.5:68-71 1956.

1. Iz medikosanitarnata chast pri metalurgichnii zavod Lenin
(G1. lekar: G. Stefanov).
(FEPTIC ULCER, therapy.
prev. of seasonal exacerbation (Bul))

STEPANO	V, U.	-							
	On arterial Sofia no.7-	oscillometry 8:1 <i>5</i> 1-155	in 6	cases	of	aortic	coarctation.	Suvrem	med.,

L. Iz IV ob. gr. bolnitsa, Sofiia (Gl. lekar P.Genov)
(AORTIC COARCTATION diag)
(OSCILLOMETRY)

Electrocardiographic changes in 620 aged subjects. Suvr. med. 13 no.5:26-30 62.

(GERIATRICS) (ELECTROCARDIOGRAPHY)

STEFANOV, Grande

More are for Jacquard weaving.

F. 33, (Lika Promishlenost) Vol. 6, no. 2, 1957, Sofia, Bulgaria

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

STEFANOV, Georgi

Testing, installing and maintaining eotton looms. Tekstilna prom 10 no.5:34-36 '61.

1. Glaven desenator pri Durzhavno industrialno predpriiatie "Malchika".

STEFANOV, Georgi, Doktor.

THE STATE OF THE S

Electroccagulation in diseases of the cervix. Izv.med.inst. Sofia 11-12:721-737 1955.

Spetsialna akushero-ginekologichna bolnitsa Rosa Dimitrova (glaven lekar: doktor Georgi Stefanov) gr.Stalin.
(CERVIX, UTERIEN, diseases,
ther.,electrocoagulation)
(DIATHERMY, invarious diseases,
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A pneumatic device for edge veneering. Durvombel prom 6 no.4: 39-42 J1-Ag '63.

1. Zav. tekhn. progres pri DIP "Republika", Pleven.

STEFANOF, G. Linear correlation. p.43.

Vol. 3, no. 3/4, 1956, STROITELSTVO, SOFIYA, BULGARIA.

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, no. 10, Oct. 1956.

STEFANOV, G. Quick graphic method for determining slopes. p. 16. Vol. 3, no. 8, 1956. STROITELSTVO. Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. 4-April 1957

Changes of Bulgarian State BDS 676-51 Standards concerning structural soils; classification. p. 40.

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Sofiia, Bulgaria

SOURCE: East European Accessions List (EFAL) Library of Congress, Vol. 6, NO. 1, January 1957

STEFANOV, G.

"Suggestions for changing the Bulgarian state standards for determining the physical properties of soils for construction."

p.կիլ (Ratsionalizatsiia, Vol. 7, no. 2, Feb. 1957, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EFAI) LC, Vol. 7, No. 8, August 1958

STEPAROV, G.; RAMEROV, B.

"Mational Conference on Soil Mechanics in Gzechoslovakia."

STROTTELSTVC., Sofiia, Bulgaria., Vol. 6, No. 1, 1959

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Designing of ground foundations for buildings and injustrial structures. Spoitelstvo 9 no.3:2-6 My-Je 162.

STEFANOV, Georgi, prof. inzh.

The 5th International Congress of the International Society of Soil Mechanics and Foundation Engineering. Stroitelstvo 9 no.5:28-32 S-0 62.

STEFANOV, G., prof. inzh.; TOSHKOV, E., st. n. sutr.

"Vibration analysis and design of foundations for machines and turbines" by Alexander Major. Reviewed by G. Stefanov and E. Toshkov. Stroitelstvo 10 no. 2:31-32 Mr-Ap '63.

EWP(t)/EWP(b) L 1634-66 DIAAP/IJP(c) ... JD/JG ACCESSION NR: AP5024262 CZ/0043/64/000/009/0661/0668 AUTHOR: Stefanov, G. (Sofia); Nenov, N. (Sofia); Tomov, T. (Sofia); Zivkov, Z. (Zhivkov, Zh.)(Sofia); Georgiev, N. (Georgiyev, N.)(Sofia); Popov, C. (Popov, Kh. (Sofia); Hichajlov, M. (Mikhaylov, M.)(Sofia); Tolgyessy, J. (Tel'deshi, Yu.) (Engineer, Docent, Candidate of sciences) (Bratislava) TITLE: Determination of gold in mineral raw materials by means of the neutron activation analysis SOURCE: Chemicke zvesti, no. 9, 1964, 661-668 TOPIC TAGS: gold, analytic chemistry, silicate, radiation spertrometer, radiometer, radiation chemistry, neutron irradiation, neutron flux, neutron Abstract [Authors' German summary, modified]: A method is presented of determining gold in samples of silicates by means of the neutron activation method. Samples were irradiated in a nuclear reactor by a flux of nautrons of 2.4 by 10¹³ n by cm⁻¹ by s⁻¹. The induced activity was measured by a 400-channel scintillation γ spectrometer or a B-2 radiometer. It is possible to determine gold in ore and non-ore raw materials up to the volume of 2.8 by 10" grams. Orig. art. has 2 graphs and 3 tables. Card 1/2

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128TedoAsteTeKJ SecToWJ	, Nenov, Tomov, Zivkov, Georgiev, Popov, Michajlov Naucno ceski institut pri Glavno upravlenie po geologija i ochrano
na zemnite nedra, Labora	atorja aktivacionen analiz, Sofia (Activation Analysis Research Institute of Geology, Main Administration for
the Geology and Protecti	ion of Mineral Resources) 7701 gyessy/ Katedra rediochesia
a radiacnej chemie Slove	Poskej vysokej skoly technickej. Bratislava (Slovak Tnatituda
or recomology, Departmen	at of Radiochemistry and Radiation Chemistry)55
SUBMITTED: 23Jam64	ENGL: 00 SUB CODE: GC, NP
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L 2251-66 EWP(e)/EWP(i) WH

ACCESSION NR: AP5009382 Z/0013/65/000/003/0087/0091

AUTHOR: Stefanov, G. (Sofia); Stefanov, D. (Sofia); Bojadzieva, P. (Sofia);

Charizanova, L. (Sofia)

TITIE: Reaction in the solid phase in a mixture of kaolin and calcium carbonate

SOURCE: Sklar a keramik, no. 3, 1965, 87-91

TOPIC TAGS: ceramic, porcelain, kaolin, calcium carbonate, solid phase reaction, reaction mechanism, first endothermic effect, first exothermic effect, kaolinite, limestone, porcelain paste

ABSTRACT: The authors review the results of investigations which have already been made of the ternary system CaO - Al₂O₃ - SiO₂, important for the formation of ceramic pastes with the crystalline component of anorthite, in order to explain the mechanism of anorthite formation. It has been shown that the reaction depends on the dehydration of kaolinite, but the direct product of this reaction has not been determined. Neither has it been established when and how this synthesis proceeds, nor what the connection is between the intermediate phase and anorthite. This study attempts to answer these questions and to explain the reaction between

Card 1/2

L 2251-66 ACCESSION NR: AP5009382

kaolinite and calcium carbonate in the molar ratio of 1:0 to 1:2 in the temperature region of the first endothermic and first exothermic effect of kaolinite. Kaolinite from the region of Stachanovo and limestone from the region of Ogujanovo served as the experimental materials. The limestone was ground in a porcelain mill. Eight mixtures of the components were prepared for studying the reaction between kaolinite and limestone. It is concluded that gehlenite is the first stage to be formed when the experimental mixtures are heated to 600°C; anorthite appears as the first exothermic effect of kaolinite, and the described reaction mechanism is in agreement with the Brindley and Nakahir theory concerning the gradual change of kaolinite into the kaolinite - spinelmullite series. Orig. art. has: 9 tables, 10 figures, and 5 formulas.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: MI, GC

NO REF SOV: 001

OTHER: 015

Card 2/2 X

SOURCE CODE: CZ/0043/65/000/012/0918/0924 EMP(t)/MI L 38937-66 ACC NR: AP6029722 -AUTHOR: Nenov, Nedjalko (Sofia); Popov, Christomil--Popov, Kn. (Sofia); Tomov, Trifon (Sofia); Stefanov, Georgij (Sofia); Tolgyessy, Juraj--Tel'deshi, Yu. (Docent; Engineer; Candidate of sciences; Bratislava) ORG: [Nenov; Popov; Tomov; Stefanov] Laboratory for Activation analysis, Geological Research Institute, Main Administration of Geology and Protection of the Earth's Minerals: Tolovessyl Department of Padiochemical Protection of the Earth's Minerals; [Tolgyessy] Department of Radiochemistry and Radiation Chemistry, Slovak Tehnical University, Bratislava (Katedra radiochemie a radiacnej chemie Slovenskej vysokej skoly technickej) TITIE: Nondestructive determination of As in ores and minerals containing high amounts of Mn by means of neutron activation analysis SOURCE: Chemicke zvesti, no. 12, 1965, 918-924 TOPIC TAGS: neutron radiation, analytic chemistry, gamma spectrometer, scintillation spectrometer ABSTRACT: The authors describe a method that may be used in the presence of above 1% of Mn without subjecting the sample to a radiochemical treatment; the samples are irradiated for 20 minutes by a stream of neutrons in a nuclear reactor. They are left standing for 70 hours so that interfering radiocompounds would be decomposed, and then As is determined by using a 400 channel scintillation gamma spectrometer. Sensitivity is 5.10-0 grams, accuracy 15%. Orig. art. has: 2 figures and 3 tables. [JPRS: 34,669]
SUBM CODE: 07 / SUBM DATE: 03Jun65 / ORIG REF: 001 / SOV REF: 001 / OTH REF: 007 Card

TOLGYESSY, Juraj, doc. inz. GSe.; FOLOV, Christomil Petkov; STEFANOV, Georgi Ivanov; TOMOV, Trifen Tomov, inz.

Nondestructive determination of indium in intermetallic alloys by neuron activation in using Po+Be neutron source. Chem zvesti 18 no.1:40-55 *64

1. Nauchno izsledovatelski geologicheski institut pri Glavno upravlenie po geologiia i okhrana na zemnite nedra, Laboratoriia akticatsionen analiz, Sofiia (for all except Togyessy).

2. Katedra radiochemie a radiacnej chemie, Slovenska vysoka skola technicka, Bratislava (for Tolgyessy).

Sinking reinforced concrete wells using hydraulic earth removal
with the aid of centrifugal pumps. Rats. i izobr. predl. v stroi.
(MIRA 11:1)
no.3:115-117 '57.
(Wells) (Centrifugal pumps) (Excavation)

morning, I.

" For fuller utilization of the available machinery in the Sertember 9 St te Shoe Factory."

LUKA PRODUTED ENGSE, Sofiia, Bulg ria, Vol. 8, No. 3, 1959

Monthly list of EAST EUROPEAN ACCESSIONS INDEX (EEAI), Library of Congress, Vol. 8, No. 8, August, 1959

STEFANOV, I., inzh.

The control and measuring instruments and equipment for the sewerage purifying apparatus and the studies of water. Khidrotekh i melior 9 no.7:222-223 '64.

616.921.5

BRONITKI, A., BARBU, Cornella, POPESCU, Ana, MOISA, I., MALIAN, A., BADESCU, Doina, and STEFANOV, I., of the Institute of Inframicrobiology (Institutul de Inframicrobiologie) of the Academy of the Socialist Republic of Rumania (al Academiei Republicii Socialiste Romania).

"Laboratory Investigations of the Influenza Epidemic of January-February 1966 in Bucharest."

Buchares, Studli si Cercetari de Inframicrobiologie, Vol 17. No 5, 66, pp 365-370.

Abstract: During the epidemic, the authors isolated 14 strains of type B influenza viruses. In an analysis of 200 human sera during the pre-epidemic period an approximately equal percentage of anti-A₂ and anti-B antibodies was found, while during the epidemic there was a percentage decline of positive A₂ reactions and a marked increase in the percentage of anti-B₂ antibodies.

Includes 2 tables and 5 references, of which 3 Rumanian and 2 English-language. -- Manuscript submitted 4 June 1966.

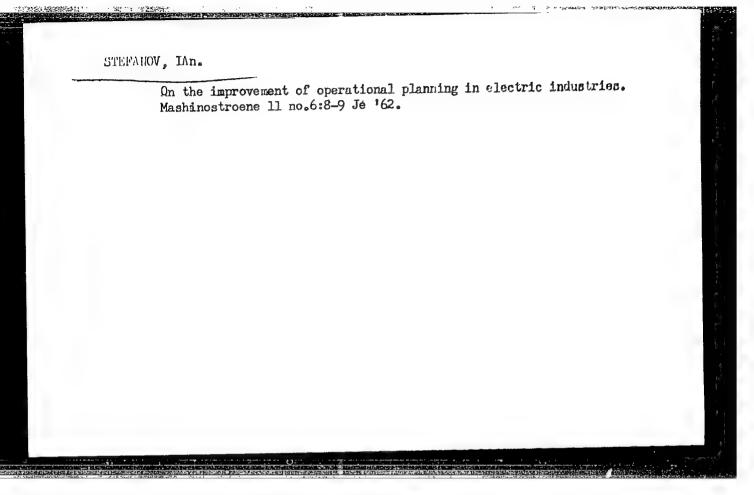
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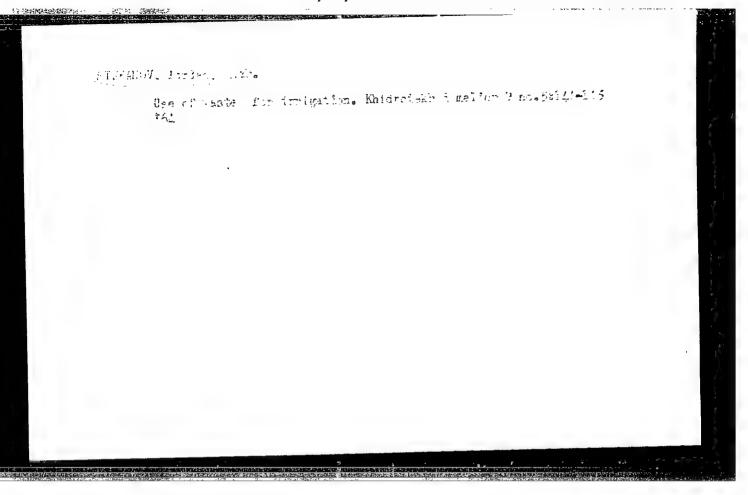
VELEV, Al., inzh.; STEFANOV, Ian

For the improvement of the designs in machine construction.

Mashinostroene 10 no.10:40-41 0 161.



Improvement of the testing of series production in machine construction, Mashinostroens 12 no.1:43-44 Ja 163.



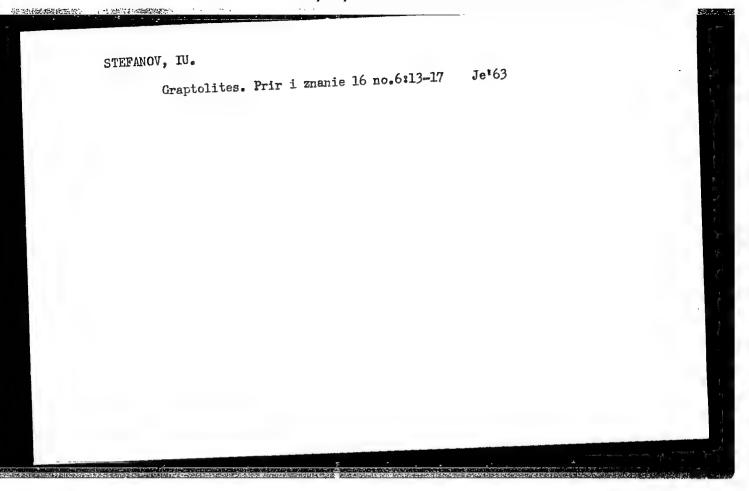
STEFANOV, IU.

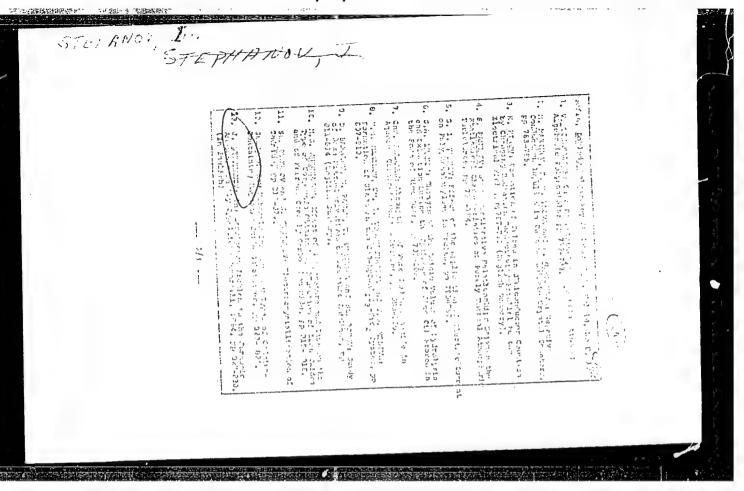
Why the Class Reptillia Lost Its Domination in the Animal World at the End of the Mesozoic Era", p. 18. (PRIRODA I ZNANIE, Vol. 6, no. 10, Dec. 1953, Sofiya, Bulgaria).

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 4, April 1954

STEFANOV, IU.

The bathonian in the section of the highway between Belogradchik and Gara Oreshets, northwestern Bulgaria. Izv Geol inst BAN no.9:337-369
161.





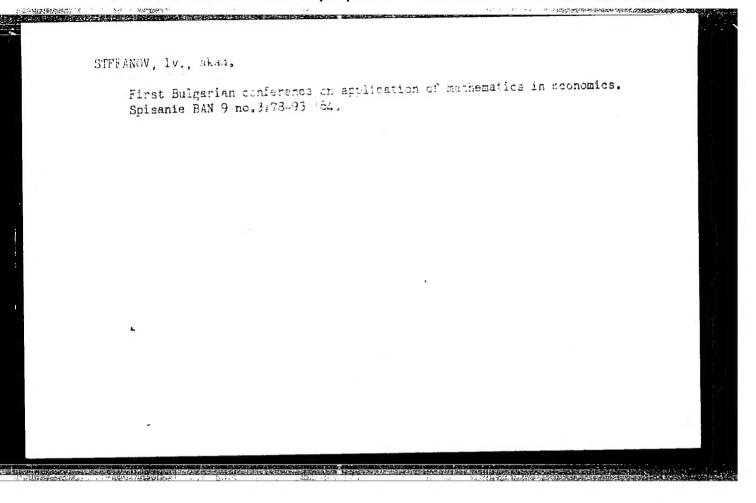
NACHEV, Iv.; SAPUNOV, I.; STEFANOV, IU.

Stratigraphy and lithology of the Jurassic between villages Gorno Ozirovo and Prevala, Northwestern Bulgaria. Trudove vurkhu geol strat 5:99-146 163.

BALABANOV, Iv., inzh.; STEFANOV, Iv., inzh.

A new series of aerial contractors of the Electric Equipment Plant of Plovdiv. Elektroenergia 14 no.10:16-19 0'63.

1. Elektroaparaturen zavod v Plovdiv.



SOV/137-58-9-18690

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 78 (USSR)

Stefanov, I.A., Strelets, M.N. AUTHORS:

The Quality of a Continually Cast Ingot (Kachestvo nepreryv-TITLE:

nogo slitka)

Sb. nauchn. rabot stud. Donetsk. industr. in-t, 1957, Nr 2, PERIODICAL:

pp 61-75

Analysis of statistical data on the functioning of the indust-ABSTRACT:

rial continuous-steel-casting installation at the Krasnoye Sormovo Plant shows that rejects may constitute up to 4% of 175x420 mm billets. The main types of defects are pinch effects, transverse and longitudinal external cracks, variation of cross section from the rectangular, and internal cracks. The surface quality of the billets improves with increasing casting rate. The percentage of heats showing no defects rises from 50 to 75% when the casting rate is increased from 0.6 to 0.9 mm/min. (m/min is more likely. Transl. Ed. Note) As the temperature of the metal is increased from 1500-1520 to 1540-1560°C (by optical pyrometer), rejects increase from

3.2 to 6%, including a rise from 0 to 3% for external Card 1/2

SOV/137-58-9-18690

The Quality of a Continually Cast Ingot

longitudinal cracks. Increase in rejects due to longitudinal external cracks from 2 to 8% was also observed when [S] rose from 0.025 to 0.045%. Internal cracks increased with pouring rate and metal temperature. Thus, when the casting rate was 0.5 m/min none were seen, while at a rate of 0.9 m/min the total length of all the cracks in a single cross section of the billet was 750 mm. As the temperature of the metal rose from 1505 to 1545°, the total length of all the cracks in a single section rose from 0 to 620 mm.

N.N.

1. Foundries--Performance 2. Steel--Casting 3. Data--Statistical analysis

Card 2/2